

## **ABSTRACT OF THE DISCLOSURE**

A reef artifact for simulating a coral reef includes a reef-like formation, which forms a base structure for simulating coral. The reef-like formation also has structures on it that simulate reef organisms. The reef-organism structures enhance the varied and diverse coral-like surface of the reef-like formation. The reef artifact is also configured to be mounted on a sea wall or a sea floor. The reef artifact dampens the force of waves and water currents thereby reducing erosion of the sea wall. The reef artifact also provides a suitable marine environment for microorganisms and small marine animals, thereby creating a diverse marine habitat. In yet another use, the reef artifact is suited for use as a sculpture in a garden or on a patio.

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